

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	"6104029".pn.	US-PGPUB; USPAT	OR	ON	2007/08/03 20:19
L2	13986	(MCP or (microchannel adj1 plate))	US-PGPUB; USPAT	OR	ON	2007/08/03 19:15
L3	0	L2 and (plate with emit\$4 with (plurality adj3 secondary adj1 electron) with (each adj1 primary))	US-PGPUB; USPAT	OR	ON	2007/08/03 17:16
L4	3	L2 and (plate with emit\$4 with (plurality adj3 secondary adj1 electron) with primary)	US-PGPUB; USPAT	OR	ON	2007/08/03 17:17
L5	3	L2 and (plate with (plurality adj3 secondary adj1 electron) with primary)	US-PGPUB; USPAT	OR	ON	2007/08/03 17:18
L6	1	(MCP or (microchannel adj1 plate)) with (plurality adj3 secondary adj1 electron) with primary	US-PGPUB; USPAT	OR	ON	2007/08/03 17:19
L7	49	(MCP or (microchannel adj1 plate)) with (secondary adj1 electron) with primary	US-PGPUB; USPAT	OR	ON	2007/08/03 17:19
L8	48	L7 not L5	US-PGPUB; USPAT	OR	ON	2007/08/03 17:52
L9	1	"5644128".pn.	US-PGPUB; USPAT	OR	ON	2007/08/03 21:10
L10	1	L9 and (MCP or (microchannel adj1 plate))	US-PGPUB; USPAT	OR	ON	2007/08/03 18:12
L11	1	"5265327".pn.	US-PGPUB; USPAT	OR	ON	2007/08/03 17:56
L12	1	L1 and (detect\$4 with "65")	US-PGPUB; USPAT	OR	ON	2007/08/03 17:58
L13	0	L1 and (MCP or (microchannel adj1 plate))	US-PGPUB; USPAT	OR	ON	2007/08/03 18:00
L14	1	L9 and (amplifying with cloud with (channel adj1 plate))	US-PGPUB; USPAT	OR	ON	2007/08/03 19:07
L15	1	L9 and (disadvantage with timing)	US-PGPUB; USPAT	OR	ON	2007/08/03 19:09
L16	5	L8 and (read adj2 out)	US-PGPUB; USPAT	OR	ON	2007/08/03 19:13
L17	0	L8 and ((read adj2 out) with CCD)	US-PGPUB; USPAT	OR	ON	2007/08/03 19:10
L18	0	L7 and ((read adj2 out) with CCD)	US-PGPUB; USPAT	OR	ON	2007/08/03 19:11
L19	0	L7 and ((read adj2 out) with slow)	US-PGPUB; USPAT	OR	ON	2007/08/03 19:13

## EAST Search History

L20	1	L8 and (time adj2 frame)	US-PGPUB; USPAT	OR	ON	2007/08/03 19:13
L21	5	L7 and ((read adj2 out) with (time or rate))	US-PGPUB; USPAT	OR	ON	2007/08/03 19:14
L22	0	L7 and ((read adj2 out) with (speed or rate))	US-PGPUB; USPAT	OR	ON	2007/08/03 19:14
L23	103	L2 and ((read adj2 out) with (speed or rate))	US-PGPUB; USPAT	OR	ON	2007/08/03 19:15
L24	2315	(microchannel adj1 plate)	US-PGPUB; USPAT	OR	ON	2007/08/03 19:15
L25	24	L24 and ((read adj2 out) with (speed or rate) with sec\$3)	US-PGPUB; USPAT	OR	ON	2007/08/03 19:17
L26	23	L24 and ((read adj2 out) with (speed or rate) with CCD with sec\$3)	US-PGPUB; USPAT	OR	ON	2007/08/03 19:21
L27	0	L9 and ((read adj2 out) with (speed or rate) with sec\$3)	US-PGPUB; USPAT	OR	ON	2007/08/03 21:06
L28	1	"20060060770".pn.	US-PGPUB; USPAT	OR	ON	2007/08/03 21:25
L29	0	L28 and (second adj3 (signal adj1 porocessing))	US-PGPUB; USPAT	OR	ON	2007/08/03 20:19
L30	1	L28 and (second adj3 (signal adj1 processing))	US-PGPUB; USPAT	OR	ON	2007/08/03 20:20
L31	0	L9 and (time near3 accurcy)	US-PGPUB; USPAT	OR	ON	2007/08/03 21:26
L32	1	L9 and (waveguide with design)	US-PGPUB; USPAT	OR	ON	2007/08/03 21:10
L33	1	"5566139".pn.	US-PGPUB; USPAT	OR	ON	2007/08/03 21:27
L34	0	L33 and ((time adj1 stretch\$4) with improv\$4 with accuracy)	US-PGPUB; USPAT	OR	ON	2007/08/03 21:27
L35	0	L33 and ((time adj1 stretch\$4) with accuracy)	US-PGPUB; USPAT	OR	ON	2007/08/03 21:27
L36	1	L33 and ((time near3 stretch\$4))	US-PGPUB; USPAT	OR	ON	2007/08/03 21:28

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S83	5	"3937957".pn. or "5286974".pn. or "6693291".pn. or "20030205675".pn. or "20040021083".pn.	US-PGPUB; USPAT	OR	ON	2007/08/02 21:57
S84	1	"6583420".pn.	US-PGPUB; USPAT	OR	ON	2007/08/02 21:58
S85	5	S83 and (energy adj1 (spectr\$3 or analy\$4))	US-PGPUB; USPAT	OR	ON	2007/08/02 22:42
S86	0	S83 and (((charged adj1 particle) or photoelectron) adj2 imag\$4)	US-PGPUB; USPAT	OR	ON	2007/08/02 22:29
S87	5	S83 and (imag\$4)	US-PGPUB; USPAT	OR	ON	2007/08/02 22:47
S88	3	S83 and (imag\$4 with scan\$4)	US-PGPUB; USPAT	OR	ON	2007/08/02 22:30
S89	5	S85 and S87	US-PGPUB; USPAT	OR	ON	2007/08/02 22:36
S90	24	"3937957".pn. or "5286974".pn. or "6693291".pn. or "20030205675".pn. or "20040021083".pn. or "5032724".pn. or "5569916".pn. or "6326617".pn. or "4752685".pn. or "4810883".pn. or "5313113".pn. or "5444242".pn. or "6800852".pn. or "6891158".pn. or "5451783".pn. or "5506414".pn. or "5665967".pn. or "6104029".pn. or "20040238735".pn. or "20030080291".pn. or "20040125913".pn. or "20040135081".pn. or "20030080292".pn. or "6765609".pn.	US-PGPUB; USPAT	OR	ON	2007/08/02 22:46
S91	19	S90 not S83	US-PGPUB; USPAT	OR	ON	2007/08/02 22:46
S92	18	S91 and (energy adj1 (spectr\$3 or analy\$4))	US-PGPUB; USPAT	OR	ON	2007/08/02 22:47
S93	1	S91 not S92	US-PGPUB; USPAT	OR	ON	2007/08/02 22:42
S94	10662	(250/251,288,302,305-307,310.336.1,339.01,339.02,339.05,339.06,339.07,341.1,370.09,370.1,393-395,580-588).ccls.	US-PGPUB; USPAT	OR	ON	2007/08/02 22:43
S95	2275	(378/6,44-46,49,53,63,64,82-90).ccls.	US-PGPUB; USPAT	OR	ON	2007/08/02 22:43
S96	12812	S94 or S95	US-PGPUB; USPAT	OR	ON	2007/08/02 22:43
S97	12955	S96 asnd (((charged adj1 particle) near3 spectromet\$3) with (opera\$6 near3 mode))	US-PGPUB; USPAT	OR	ON	2007/08/02 22:43

## EAST Search History

S98	282	S97 and (MCP or (multichannel adj1 plate) or channeltron)	US-PGPUB; USPAT	OR	ON	2007/08/03 11:10
S99	110	S97 and (((photo adj1 electron) or photoelectron) with detector)	US-PGPUB; USPAT	OR	ON	2007/08/02 22:43
S10 0	15	S98 and S99	US-PGPUB; USPAT	OR	ON	2007/08/02 22:43
S10 1	9	S96 and ((energy near2 spectr\$3) with (composition of compos\$3)) and ((charged adj1 particle) with imag\$4)	US-PGPUB; USPAT	OR	ON	2007/08/02 22:44
S10 2	7364	(((photo adj1 electron) or photoelectron) near3 spectroscop\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/02 22:45
S10 3	351	S102 and (energy adj1 (spectr\$3 or analy\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/02 22:45
S10 4	22	S103 and (((charged adj1 particle) or photoelectron) adj2 imag\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/02 22:45
S10 5	24	"3937957".pn. or "5286974".pn. or "6693291".pn. or "20030205675".pn. or "20040021083".pn. or "5032724".pn. or "5569916".pn. or "6326617".pn. or "4752685".pn. or "4810883".pn. or "5315113".pn. or "5444242".pn. or "6800852".pn. or "6891158".pn. or "5451783".pn. or "5506414".pn. "5665967".pn. or "6104029".pn. or "20040238735".pn. or "20030080291".pn. or "20040125913".pn. or "20040135081".pn. or "20030080292".pn. or "6765609".pn.	US-PGPUB; USPAT	OR	ON	2007/08/03 11:24
S10 6	19	S105 not S83	US-PGPUB; USPAT	OR	ON	2007/08/02 22:46
S10 7	19	S106 and (energy adj1 (spectr\$3 or analy\$4))	US-PGPUB; USPAT	OR	ON	2007/08/02 22:47
S10 8	18	S107 and (imag\$4)	US-PGPUB; USPAT	OR	ON	2007/08/02 23:14

## EAST Search History

S109	1	S107 not S108	US-PGPUB; USPAT	OR	ON	2007/08/02 22:47
S110	2	S108 and (MCP or (multichannel adj1 plate) or channeltron)	US-PGPUB; USPAT	OR	ON	2007/08/02 22:52
S111	16	S108 not S110	US-PGPUB; USPAT	OR	ON	2007/08/02 22:52
S112	0	S105 and (delay adj3 line)	US-PGPUB; USPAT	OR	ON	2007/08/02 23:14
S113	1	S105 and (delay)	US-PGPUB; USPAT	OR	ON	2007/08/02 23:14
S114	3	"4431921".pn. or "4965861".pn. or "5644128".pn.	US-PGPUB; USPAT	OR	ON	2007/08/02 23:21
S115	1	"5444242".pn.	US-PGPUB; USPAT	OR	ON	2007/08/03 11:11
S116	0	S115 and (MCP or (multichannel adj1 plate) or channeltron)	US-PGPUB; USPAT	OR	ON	2007/08/03 11:11
S117	1	"5665967".pn.	US-PGPUB; USPAT	OR	ON	2007/08/03 12:40
S118	0	S117 and (MCP or (multichannel adj1 plate) or channeltron)	US-PGPUB; USPAT	OR	ON	2007/08/03 11:11
S119	23	"3937957".pn. or "5286974".pn. or "6693291".pn. or "20030205675".pn. or "20040021083".pn. or "5032724".pn. or "5569916".pn. or "6326617".pn. or "4752685".pn. or "4810883".pn. or "5313113".pn. or "5444242".pn. or "6800852".pn. or "6891158".pn. or "5451783".pn. or "5506414".pn. or "5665967".pn. or "6104029".pn. or "20040238735".pn. or "20030080291".pn. or "20040125913".pn. or "20040135081".pn. or "20030080292".pn.	US-PGPUB; USPAT	OR	ON	2007/08/03 11:12
S120	16	S119 and (((photo adj1 electron) or photoelectron) near3 spectroscop\$3)	US-PGPUB; USPAT	OR	ON	2007/08/03 11:12
S121	22	S119 and (energy adj1 (spectr\$3 or analy\$4))	US-PGPUB; USPAT	OR	ON	2007/08/03 11:12
S122	15	S119 and (((charged adj1 particle) or photoelectron) adj2 imag\$4)	US-PGPUB; USPAT	OR	ON	2007/08/03 11:12
S123	15	S120 and S121 and S122	US-PGPUB; USPAT	OR	ON	2007/08/03 11:12
S124	1	S123 and (MCP or (multichannel adj1 plate) or channeltron)	US-PGPUB; USPAT	OR	ON	2007/08/03 12:41
S125	0	S123 and (MCP or (microchannel adj1 plate) or channeltron)	US-PGPUB; USPAT	OR	ON	2007/08/03 12:40

## EAST Search History

S12 6	1	"5286974".pn.	US-PGPUB; USPAT	OR	ON	2007/08/03 11:22
S12 7	1	S126 and imag\$4	US-PGPUB; USPAT	OR	ON	2007/08/03 11:24
S12 8	24	"3937957".pn. or "5286974".pn. or "6693291".pn. or "20030205675".pn. or "20040021083".pn. or "5032724". pn. or "5569916".pn. or "6326617".pn. or "4752685".pn. or "4810883".pn. or "5315113".pn. or "5444242".pn. or "6800852".pn. or "6891158".pn. or "5451783".pn. or "5506414".pn. "5665967".pn. or "6104029".pn. or "20040238735".pn. or "20030080291". pn. or "20040125913".pn. or "20040135081".pn. or "20030080292". pn. or "6765609".pn.	US-PGPUB; USPAT	OR	ON	2007/08/03 11:24
S12 9	23	S128 and ((photoelectron or electron) near3 imag\$4)	US-PGPUB; USPAT	OR	ON	2007/08/03 11:25
S13 0	11	S128 and ((photoelectron or electron) adj1 imag\$4)	US-PGPUB; USPAT	OR	ON	2007/08/03 12:34
S13 1	1	S128 and (diffraction adj1 imag\$4)	US-PGPUB; USPAT	OR	ON	2007/08/03 12:40
S13 2	0	S117 and (MCP or (microchannel adj1 plate) or channeltron)	US-PGPUB; USPAT	OR	ON	2007/08/03 12:40
S13 3	1	"6104029".pn.	US-PGPUB; USPAT	OR	ON	2007/08/03 16:51
S13 4	1	S133 and (diffraction adj1 imag\$4)	US-PGPUB; USPAT	OR	ON	2007/08/03 12:40
S13 5	0	S133 and (MCP or (microchannel adj1 plate) or channeltron)	US-PGPUB; USPAT	OR	ON	2007/08/03 12:40
S13 6	0	S133 and (MCP or (multichannel adj1 plate) or channeltron)	US-PGPUB; USPAT	OR	ON	2007/08/03 12:41
S13 7	1	S133 and (detector with "65")	US-PGPUB; USPAT	OR	ON	2007/08/03 12:41